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**TITLE 326 AIR POLLUTION CONTROL BOARD**

**Proposed Rule**  
LSA Document #09-476

**DIGEST**

Amends [326 IAC 6.8-2-8](#) and [326 IAC 7-4.1-5](#) concerning the particulate matter and sulfur dioxide emission limitations at Cargill, Incorporated (Cargill) in Hammond, Indiana. Effective 30 days after filing with the Publisher.

**HISTORY**

First Notice of Comment Period: July 1, 2009, Indiana Register (DIN: [20090701-IR-326090476FNA](#)).

Second Notice of Comment Period: December 23, 2009, Indiana Register (DIN: [20091223-IR-326090476SNA](#)).

Notice of First Hearing: December 23, 2009, Indiana Register (DIN: [20091223-IR-326090476PHA](#)).

Date of First Hearing: April 13, 2010.

**PUBLIC COMMENTS UNDER [IC 13-14-9-4.5](#)**

[IC 13-14-9-4.5](#) states that a board may not adopt a rule under [IC 13-14-9](#) that is substantively different from the draft rule published under [IC 13-14-9-4](#) until the board has conducted a third comment period that is at least 21 days long.

Because this proposed rule is not substantively different from the draft rule published on December 23, 2009, at DIN: [20091223-IR-326090476SNA](#), the Indiana Department of Environmental Management (IDEM) is not requesting additional comment on this proposed rule.

**SUMMARY/RESPONSE TO COMMENTS FROM THE SECOND COMMENT PERIOD**

IDEM requested public comment from December 23, 2009, through January 22, 2010, on IDEM's draft rule language. No comments were received during the second comment period.

**SUMMARY/RESPONSE TO COMMENTS RECEIVED AT THE FIRST PUBLIC HEARING**

On April 13, 2010, the Air Pollution Control Board (board) conducted the first public hearing/board meeting concerning the development of amendments to [326 IAC 6.8](#) and [326 IAC 7](#). No comments were made at the first hearing.

**Small Business Assistance Information**

IDEM established a compliance and technical assistance (CTAP) program under [IC 13-28-3](#). The program provides assistance to small businesses and information regarding compliance with environmental regulations. In accordance with [IC 13-28-3](#) and [IC 13-28-5](#), there is a small business assistance program ombudsman to provide a point of contact for small businesses affected by environmental regulations. Information on the CTAP program, the monthly CTAP newsletter, and other resources available can be found at:

<http://www.in.gov/idem/4108.htm>

Small businesses affected by this rulemaking may contact the Small Business Regulatory Coordinator:

Alison Surface

IDEM Compliance and Technical Assistance Program - OPPTA

MC 60-04 IGCS W041

100 North Senate Avenue

Indianapolis, IN 46204-2251

(317) 232-8172 or (800) 988-7901

[ctap@idem.in.gov](mailto:ctap@idem.in.gov)

The Small Business Assistance Program Ombudsman is:

Brad Baughn

IDEM Small Business Assistance Program Ombudsman

MC 50-01 IGCN 1307

100 North Senate Avenue

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**[326 IAC 6.8-2-8](#); [326 IAC 7-4.1-5](#)**

SECTION 1. [326 IAC 6.8-2-8](#) IS AMENDED TO READ AS FOLLOWS:

**326 IAC 6.8-2-8 Cargill, Inc.****Authority:** [IC 13-14-8](#); [IC 13-17-3-4](#); [IC 13-17-3-11](#)**Affected:** [IC 13-15](#); [IC 13-17](#)

Sec. 8. (a) Cargill, Inc., in Lake County, source identification number 00203, shall meet the following emission limits:

Source	Stack Number	Emission Limits	
		lbs/hr	gr/dscf
<del>Stack serving boiler numbers 6 and 7</del>	<del>10-03-U-P and 10-04-U</del>	<del>30.3</del>	
<del>Stack serving boiler numbers 8 and 10</del>	<del>10-05-U-P and 10-06-U</del>	<del>22.7</del>	
Corn syrup solids dust collection system number 2	<del>18-03-R-P</del> <b>18-03-R</b>	0.30	0.01
<del>Receiver for first stage germ dryer</del>	<del>21A-01-G</del>	<del>0.12</del>	<del>0.015</del>
<del>First stage germ dryer exhaust</del>	<del>21A-02-G</del>	<del>0.67</del>	<del>0.04</del>
Corn screening system	30-16-G	0.06	0.01
Corn receiving and storage-bin vent #5	33-01-G	0.171	0.02
Corn receiving and storage-bin vent #6	33-02-G	0.171	0.02
Corn cleaner	33-03-G	0.21	0.01
Batch scale hopper #1	34-01-S	0.04	0.01
Dextrin starch reactor #1	34-02-S	0.180	0.01
Dextrin starch cooler #1	34-03-S	0.042	0.01
Surge hopper #1	34-05-S	0.11	0.01
Dextrin feed hoppers: 1 and 2 (System 1)	34-06-S and 34-07-S	0.030	0.01
Dextrin starch cooler	34B-01-S	0.042	0.01
Surge hopper #2	34B-03-S	0.114	0.01
Dextrin starch reactor #2	34B-04-S	0.179	0.01
Dextrin feed hoppers: 3 and 4 (System 2)	34B-05-S and 34B-06-S	0.030	0.01
Batch scale hopper No. 2	34B-13-S	0.067	0.01
Dextrin bulk loading equipment	48-09-S	0.26	0.01
<del>Receiver for second stage germ dryer</del>	<del>51A-01-G</del>	<del>0.19</del>	<del>0.02</del>
<del>Second stage germ dryer exhaust</del>	<del>51A-02-G</del>	<del>1.01</del>	<del>0.015</del>
Starch milling system number 1	59-01-S	0.43	0.01
Starch milling system number 2	59-02-S	0.43	0.01
Starch ring dryer number 2	59-03-S	3.50	0.006
Fiber drying equipment	89-01-G	4.50	0.01
<del>Rotary feed dryer</del>	<del>89-03-G</del>	<del>4.5</del>	<del>0.03</del>
Dried corn syrup conveying system, frodex	93-04-W	0.069	0.01
Corn syrup solids conveyor equipment	93-05-W	0.066	0.01
Frodex semibulk packing system, building 93	93-08-W	0.083	0.01
Each stack serving bag dump numbers 1 and 2	93-09-W and 93-10-W	0.10	0.01
Starch bulk loading	93-14-W	0.273	0.01
Starch vacuum clean-up system	93-15-W	0.021	0.01
Starch mixing and bagging system #1	93-16-W	0.130	0.01
Starch mixing and bagging system #2	93-17-W	0.264	0.01
New corn syrup spray dryer cooler system number 3 (SIP #2)	100-01-R	4.96	0.015
#4 corn syrup spray dryer	100-03-R	4.2	0.01
Carbon regeneration furnace #2	104-01-R	0.728	0.015
Soda ash tank	104-02-R	0.154	0.02
Filter aid hopper	104-03-R	0.044	0.02
Sodium bisulfate bag dump	104-05-R	0.080	0.02
Each stack serving bulk corn starch storage bin numbers 20 through 36 (five (5) stacks may operate at one (1) time)	120-01-S to 120-17-S	0.56	0.01
Gluten dryer system	121-01-G	3.0	0.03
<del>Waxy feed drum dryer scrubber</del>	<del>124-01-G</del>	<del>11.12</del>	<del>0.03</del>
<del>Waxy feed milling equipment</del>	<del>124-22-G</del>	<del>0.051</del>	<del>0.01</del>
Germ dryer/cooler	124A-01-G	1.852	0.02

Starch ring dryer number 3	125-01-S	3.50	0.006
Waxy bulk cornstarch storage bins numbers 95 through 98 (only one (1) may operate at a time)	126-01-S to 126-04-S	0.16	0.01
BCD dryer, building 127	127-01-B	0.57	0.04
#1 and #2 vacuum cleaner system	127-21-B and 127-22-B	0.031	0.01
#1 and #2 BCD storage hopper <b>alternate carbohydrate storage bins</b>	<b>127-23-B and 127-24-B</b> <b>127-28-B and 127-29-B</b>	0.18	0.01
BCD <b>Alternate carbohydrate</b> mill feeder hopper	<b>127-25-B 127-30-B</b>	0.028	0.01
Special starch process with starch dryer number 4, building 128	128-01-S	3.5	0.01
Four products blending systems, building 93	<del>130-01-S-P</del> <b>130-01-S</b> to 130-04-S	0.42	0.01
Dextrin blender	130-05-S	0.248	0.01
Corn receiving and storage-bin vent #1 and #2	140-01-G and 140-02-G	0.343	0.02
Corn receiving and storage-bin vent #3 and #4	140-03-G and 140-04-G	0.343	0.02
Corn dump pit	140-05-G	1.286	0.01
Gravity take-up conveyor system	140-06-G	0.154	0.01
Corn elevator conveying	140-07-G	0.086	0.01

(b) Boiler number 1 and boiler number 2 shall fire natural gas only.

(Air Pollution Control Board; [326 IAC 6.8-2-8](#); filed Aug 10, 2005, 1:00 p.m.: 28 IR 3509; filed Jan 23, 2008, 1:44 p.m.: [20080220-IR-326040279FRA](#))

SECTION 2. [326 IAC 7-4.1-5](#) IS AMENDED TO READ AS FOLLOWS:

**[326 IAC 7-4.1-5](#) Cargill, Inc. sulfur dioxide emission limitations**

**Authority:** [IC 13-14-8](#); [IC 13-17-3-4](#); [IC 13-17-3-11](#)

**Affected:** [IC 13-15](#); [IC 13-17](#)

Sec. 5. (a) Cargill, Inc., Source Identification Number 00203, shall comply with the sulfur dioxide emission limits in pounds per million British thermal units (MMBtu) and pounds per hour as follows:

(1) Boilers 6, 7, 8, and 10 shall be limited to one and four thousand three hundred seventy five ten thousandths (1.4375) pounds per MMBtu and five hundred eighty four (584) pounds per hour for all four (4) boilers.

(2) ~~By one (1) year from the effective date of this rule, other emissions units shall be limited as follows:~~

Emissions Unit Description	Emissions Unit Identification	Emission Limit lbs/hour
<del>(A)</del> <b>(1)</b> Gluten Dryer System	121-01-G	<del>9.13</del> <b>0.68</b>
<del>(B)</del> Waxy Feed Drum Dryer	124-01	2.28
<del>(C)</del> <b>(2)</b> Fiber Dryer and Drying Equipment	89-01-G	<del>9.13</del> <b>3.95</b>
<del>(D)</del> Rotary Feed Dryer	89-03	6.85
<del>(E)</del> Germ Dryer 1 <sup>st</sup> Stage	21-A-02	1.14
<del>(F)</del> Germ Dryer 2 <sup>nd</sup> Stage	51-A-02	1.14
<del>(G)</del> <b>(3)</b> Germ Dryer	124-A-01	<del>9.13</del> <b>0.77</b>
<del>(H)</del> <b>(4)</b> Carbon Regen Furnace	104-01-R	<del>4.57</del> <b>0.11</b>
<del>(I)</del> <b>(5)</b> Biogas Flare	800-04-E	9.13

(b) Cargill, Inc. shall

(1) maintain records of average sulfur content, fuel oil usage, and boiler operating load for each hour in which any boiler operates on fuel oil;

(2) submit a report to the department within thirty (30) days after the end of each calendar quarter containing the records listed in subdivision (1) and a calculation of the total sulfur dioxide emissions from Boilers 6, 7, 8, and 10 for each hour; and

(3) submit a quarterly report of the twelve (12) month rolling total of all sulfur dioxide emissions in tons per year.

(Air Pollution Control Board; [326 IAC 7-4.1-5](#); filed May 25, 2005, 10:50 a.m.: 28 IR 2956)

[Notice of Public Hearing](#)

Posted: 04/28/2010 by Legislative Services Agency  
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